

REMARKS

Claim Rejections

Claim 1 is rejected under 35 U.S.C. § 112, second paragraph. Claims 1, 6 and 8-9 are rejected under 35 U.S.C. § 102(b) as being anticipated by Caillat et al. (U.S. 5,102,316). Claims 2-5 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Caillat et al. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Drawings

It is noted that no Patent Drawing Review (Form PTO-948) was received with the outstanding Office Action. Thus, Applicant must assume that the drawings are acceptable as filed.

Amendments to Specification

Applicant has amended the specification as noted above to correct the reference number for the bolts. It is believed that the foregoing amendments to the specification overcome the outstanding objections thereto. No "new matter" has been added to the original disclosure by the foregoing amendments to the specification.

New Claims

By this Amendment, Applicant has canceled claims 1-10 and has added new claims 11-19 to this application. It is believed that the new claims specifically set forth each element of Applicant's invention in full compliance with 35 U.S.C. § 112, and define subject matter that is patentably distinguishable over the cited prior art, taken individually or in combination.

The new claims are directed toward a pumping structure of a scroll compressor with a coolant comprising: a block (10) fixedly connected to an interior of a casing (90) of the compressor; a fixed scroll (40) fixedly connected to the block;

an orbiting scroll (30) located between the block and the fixed scroll, the orbiting scroll rotating around the fixed scroll; a plurality of positioning seats (20), each of the plurality of positioning seats being spaced apart around an exterior circumference of the fixed scroll and fixedly connected to the block; a plurality of suppressors (50), each of the plurality of suppressors being connected to a top of one of the plurality of positioning seats and positioning the fixed scroll relative to the block; an Oldham ring (70) located between the orbiting scroll and the block and having a limitation part (72) limiting a direction of movement of the orbiting scroll; and a stand ring (80) connecting each of the plurality of positioning seats to the block, wherein a changing volume in a plurality of compression chambers in the fixed scroll and the orbiting scroll compresses the coolant.

The cited reference to Caillat et al. teaches non-orbiting scroll mounting arrangement for a scroll machine and states, column 6, lines 6-12:

Retainer ring 106 is generally L-shaped in cross section and includes an accurately machined inner peripheral surface 110 which is adapted to abut a corresponding accurately machined annular surface 112 provided on non-orbiting scroll 64' to thereby accurately radially position same as well as to guide axial movement thereof.

The L-shaped retainer ring (106) of Caillat et al. is distinguishable from the plurality of positioning seats, plurality of suppressors, and stand drain of the present invention.

Caillat et al. does not teach a plurality of positioning seats, each of the plurality of positioning seats being spaced apart around an exterior circumference of the fixed scroll and fixedly connected to the block; a plurality of suppressors, each of the plurality of suppressors being connected to a top of one of the plurality of positioning seats and positioning the fixed scroll relative to the block; a stand ring connecting each of the plurality of positioning seats to the block, the plurality of positioning blocks and the stand drain are integrated in one piece; the stand drain is coupled to the block with a plurality of positioning pins and fixedly connected thereto by a plurality of bolts; nor does Caillat et al. teach each of the plurality of

positioning seats has a rest seat corresponding to one of a plurality of grooves on a bottom of the fixed scroll limiting a descending level of the fixed scroll and maintaining a minimum spacing between the fixed scroll and the orbiting scroll.

It is axiomatic in U.S. patent law that, in order for a reference to anticipate a claimed structure, it must clearly disclose each and every feature of the claimed structure. Applicant submits that it is abundantly clear, as discussed above, that Caillat et al. do not disclose each and every feature of Applicant's new claims, and, therefore, Caillat et al. could not possibly anticipate these claims under 35 U.S.C. § 102. Absent a specific showing of these features, Caillat et al. cannot be said to anticipate any of Applicant's new claims under 35 U.S.C. § 102.

It is further submitted that Caillat et al. do not disclose or suggest any modification of their specifically disclosed structures that would lead one having ordinary skill in the art to arrive at Applicant's claimed structure. Thus, it is not believed that Caillat et al. render obvious any of Applicant's new claims under 35 U.S.C. § 103.

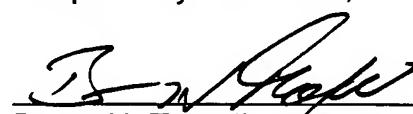
Summary

In view of the foregoing amendments and remarks, Applicant submits that this application is now in condition for allowance and such action is respectfully requested. Should any points remain in issue, which the Examiner feels could best be resolved by either a personal or a telephone interview, it is urged that Applicant's local attorney be contacted at the exchange listed below.

Respectfully submitted,

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